

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REMOVAL OF AN OPTICOM DETECTOR EYE AND PRE-EMPTION FOR EASTBOUND HOWARD STREET, INSTALLATION OF A WESTBOUND CORRIDOR ROAD PRE-EMPTION PHASE AND THE INSTALLATION OF FIREHOUSE HAZARD IDENTIFICATION BEACONS (TO BE MAINTAINED BY HOWARD COUNTY) AND PUSHBUTTONS FOR THE NEW FIREHOUSE. THE INTERSECTION AFFECTED IS US 1 (WASHINGTON BLVD.) AND HOWARD STREET /CORRIDOR RD. IN HOWARD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTIVATED MODE WITH EXCLUSIVE LEFT TURN PHASING FOR BOTH NORTH AND SOUTHBOUND MOVEMENTS OF US 1 AND SIDE STREET SPLIT PHASING. PRE-EMPTION PHASING WILL BE PROVIDED FOR THE WESTBOUND CORRIDOR ROAD APPROACH.

SPECIAL NOTES

- FIREHOUSE INTERNAL WIRING, CONDUITS AND PUSHBUTTONS WILL BE INSTALLED AS PART OF THE BUILDING SITE PROJECT PLANS.
- ALL INTERNAL WIRING COMPLETED IN THE CONTROLLER SHALL BE INSTALLED BY THE SHA SIGNAL SHOP. CALL ED RODENHIZER AT LEAST 48 HOURS IN ADVANCE.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
3 EA	ELECTRICAL HANDHOLE
450 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
70 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
300 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.)
800 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO. 12 A.W.G.)
LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
2 EA	12 INCH LED SIGNAL HEAD SECTION
1 CY	CONCRETE FOUNDATION FOR SIGNAL
1 EA	20 FT. BREAKAWAY PEDESTAL POLE
1 EA	ADJUST EXISTING HANDHOLE TO GRADE
1 CY	TEST PIT EXCAVATION
25 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
1 EA	3/4 IN. X 10 FT. GROUND ROD
1 EA	W11-8 (48" X 48") SIGN - POLE MOUNT
1 EA	W96-7(1) MOD. (60" X 54") SIGN - POLE MOUNT
2 EA	PUSHBUTTON FOR FIREHOUSE PRE-EMPTION AND SIGN (9"x6")
20 LF	ELECTRICAL CABLE 1 - CONDUCTOR (NO. 8 A.W.G.)
1 EA	REMOTE TERMINAL CABINET

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 7 ARE AS FOLLOWS:

MR. JOHN CONCANNON ASSISTANT DISTRICT ENGINEER - TRAFFIC (301) 624-8140 / 8141	MS. SUSAN PALMER ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 624-8105 / 8106
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MS. ANDREA ABEND
UTILITY ENGINEER
(301) 624-8115 / 8116

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. AVJIT, MAJI CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
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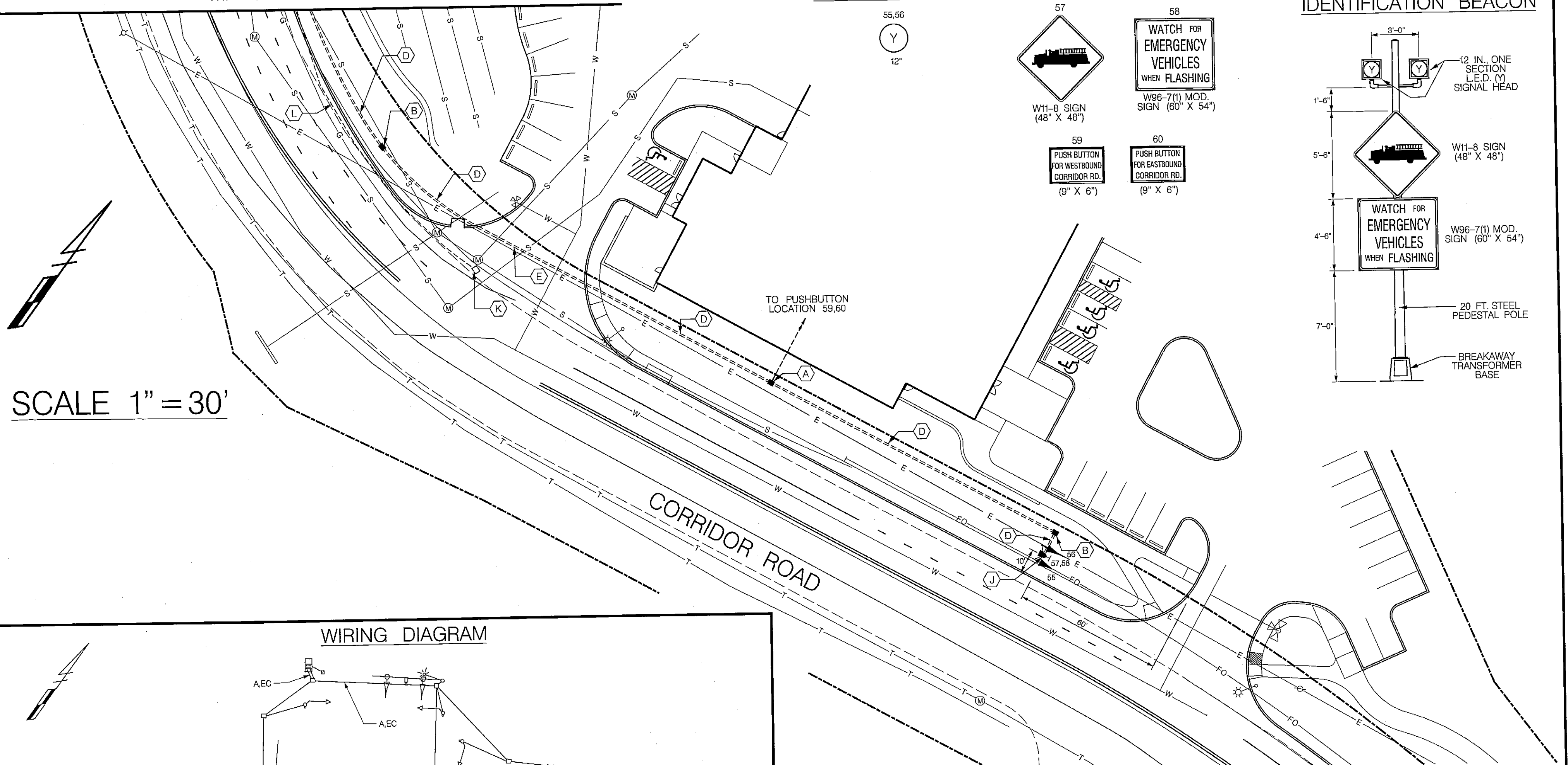
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MR. MIKE STOCKER SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668
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MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

CONTACT FOR HOWARD COUNTY

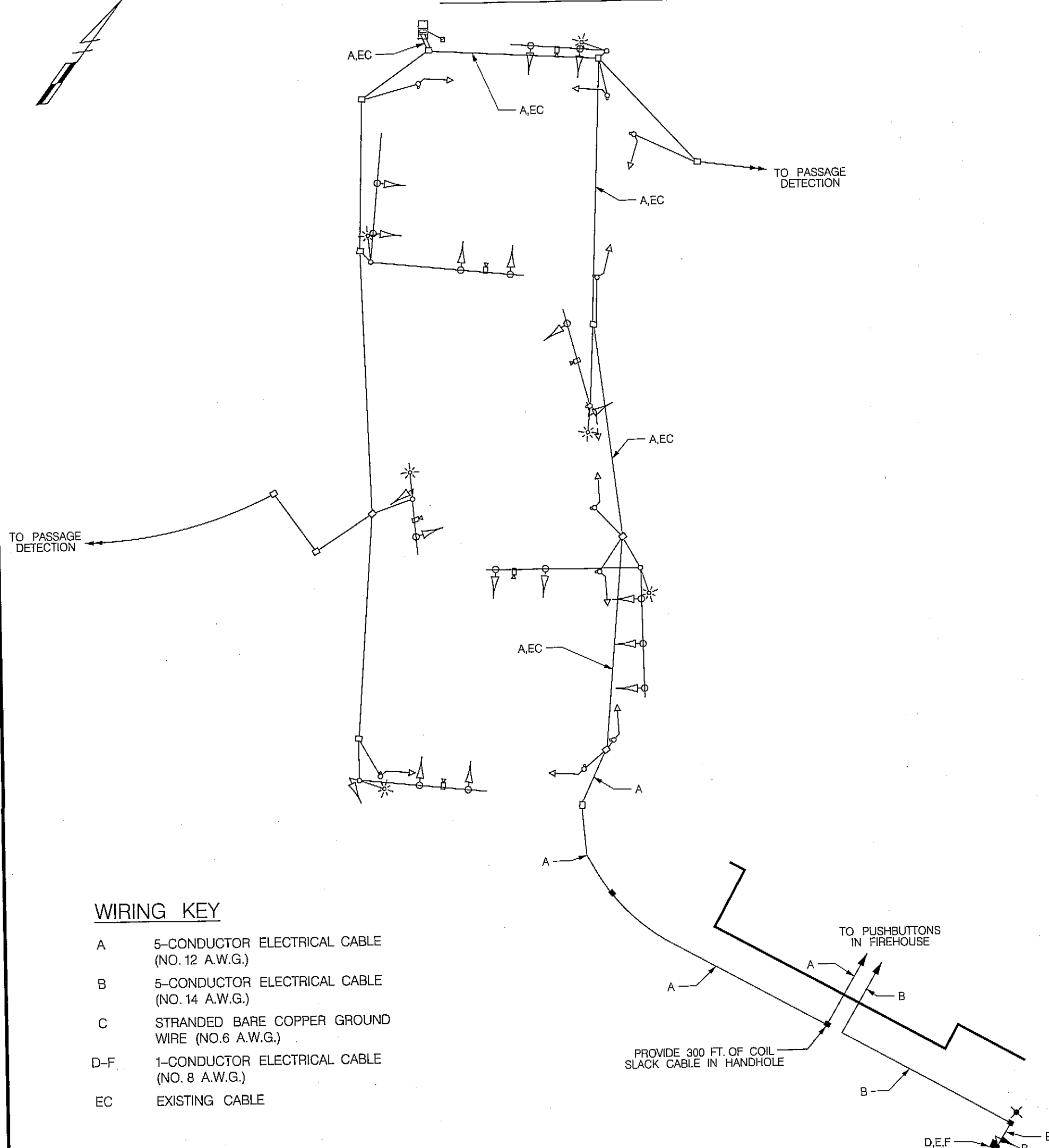
MRS. DIANE SCHWARZMAN
CHIEF, TRAFFIC ENGINEERING DIVISION
(410) 313-5755

MATCHLINE - SEE SIGNAL SHEET



SCALE 1" = 30'

WIRING DIAGRAM



CONSTRUCTION DETAILS

- INSTALL ELECTRICAL HANDHOLE AND PROVIDE SLACK (COIL 300 FT. OF SLACK CABLE)
- INSTALL ELECTRICAL HANDHOLE
- USE EXISTING CONDUIT
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
- USE EXISTING ELECTRICAL HANDHOLE
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL TWO RELAY PACKAGES AND A LOAD SWITCH FOR THE PRE-EMPTION OPERATION
- REMOVE EXISTING OPTICOM PRE-EMPTION DETECTOR AND ABANDON EXISTING WIRING
- ADJUST EXISTING HANDHOLE TO FINAL GRADE
- INSTALL 20 FT. BREAKAWAY PEDESTAL POLE, SIGNAL HEADS, SIGNS AND REMOTE TERMINAL CABINET (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- REMOVE EXISTING HANDHOLE
- CAP AND ABANDON EXISTING CONDUIT



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (WASHINGTON BOULEVARD) AT
HOWARD STREET /CORRIDOR ROAD
SAVAGE, MARYLAND

GENERAL INFORMATION PLAN

SCALE AS NOTED DATE 2-20-2013 CONTRACT NO. BW996M82

DESIGNED BY T. ZAYDEL COUNTY HOWARD
DRAWN BY J.K. SCHMID LOGMILE 13000102.60
CHECKED BY K. SCHMID T.I.M.S. NO. K-393
F.A.P. NO. NA TOD NO.

DRAWING NO. TS-1685 3 GI-1 SHEET NO. 2 OF 3

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

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DATE: Thursday, February 21, 2013 AT 11:18 AM